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(54) Title: ALFAVBETA3 AND ALFAVBETA6 INTEGRIN ANTAGONISTS AS ANTIFIBROTIC AGENTS

(57) Abstract: This invention relates to inhibition of α v integrins, especially α vB3 and α vB6 integrins, by specific antagonists, preferably non-peptidic antagonists, related compounds and compounds with comparable specificity, that downregulate fibrogenesis by inhibiting cell migration and production of pro-fibrogenic molecules (e.g., collagens, TIMP-1) and cytokines (e.g., CTGF) by activated hepatic stellate cells/myofibroblasts, activated epithelia and endothelia. These antagonists alone or in combination with other agents can effectively prevent, mitigate or even reverse development of advanced fibrosis, such as fibrosis/cirrhosis of the liver and fibrosis of other organs, such as lungs, kidneys, intestine, pancreas, skin and arteries.



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